

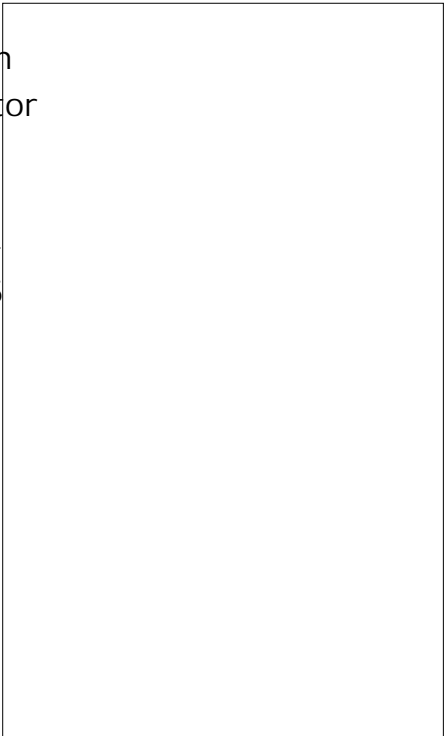


ACJ T40510C 4A TRIAC

Rev. A. 1.1

DESCRIPTION:

The ACJT40510C triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. The ACJT40510C embeds a TVS structure to absorb the inductive turn-energy such as those described in the IEC 61000-4-5 standards. Package TO-220C is RoHS compliant.



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T _{stg}	-40~150	
Operating junction temperature range	T _j	-40~125	
Repetitive peak off-state voltage (f _r ≤25)	V _{DRM}	1000	V
Repetitive peak reverse voltage (f _r ≤25)	V _{RRM}	1000	V

Peak pulse voltage ($T_j=25$; non-repetitive, of state; FIG.7)	V_{pp}	3	kV
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ELECTRICAL CHARACTERISTICS ($T_j=25$ unless otherwise specified)

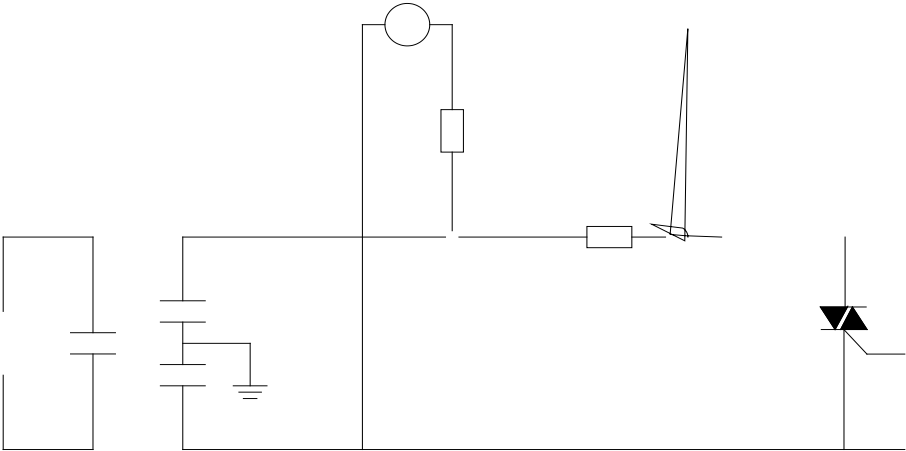
Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D = 12V R_L = 33$	- -	MAX.	5	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D = V_{DRM} T_j = 125$ $R_L = 3.3k$	- -	MIN.	0.2	V
I_L	$I_G = 1.2I_{GT}$	-	MAX.	15	mA
				20	

I_H

MAX.

FIG.1 :

FIG.7 Test circuit for inductive loads to IEC 6100045 standards



PACKAGE MECHANICAL DATA



